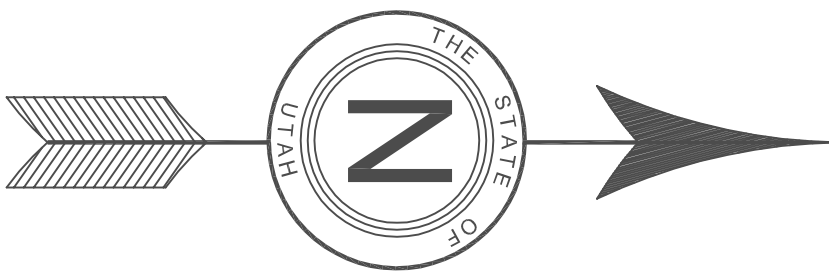


A2

CAMERA LOCATION PLAN

Scale: 1" = 40'



LEGEND

Camera Identification Number — ②

Still Camera - Interior and Exterior —

Pan Tilt Zoom Camera - Exterior

Required Panning Range

DESCRIPTION OF WORK

Contractor is to provide and install a COMPLETE Commercial CCTV system including all hardware, software and labor for the Bridgerland Applied Technology College.

The system must include all hardware and software to be network accessible and Internet capable. Contractor to coordinate with the owner to connect to the existing network.

Contractor shall provide 3 copies of complete Operations and Maintenance Manuals and 4 hours of system training for 3 owner designated operators.

This project will be a turn-key project, therefore the items listed are NOT inclusive, it does not cover items such as software, wireless receivers, conduit, wire, brackets, wire nuts, fasteners, labor, etc.

This system shall consist of the following:

Type	Camera ID	Units	Description
A	1 to 39	39 total	Interior Still Cameras - Smoked Domed Low Light High Resolution Inside Color Cameras (Pelco ICS110 or equivalent)
B	40 to 45	6 total	Exterior Day and Night Still Cameras, Domed Day/Night High Resolution Outside Cameras (Panasonic CW474AS Super Dynamic II or equivalent)
C	46 to 53	8 total	Smoked Domed Pant Tilt Zoom (PTZ) High Resolution Low light Outdoor Cameras (Pelco Spectra III™ or equivalent)
D	54	1 total	Wireless Smoke Domed Pant Tilt Zoom (PTZ) High Resolution Low light Outdoor Camera (Pelco Spectra III™ or equivalent)

NOTE : Camera #53 may need to be supplied as wireless as well, this will be discussed and determined at the mandatory walk through.

Units	Description
2	Dynapel CloseView Controllers. An unattended intelligent video surveillance tracking system.
4	PELCO DX8016-10C - 16 Channel DVR NTSC/PAL with 1 TB HDD and DVR/RW.
1	SmartSite S1100W or a Trango Eagle+ Kit. Must be 5 ghz or higher.
1	High Definition Color Monitor - Minimum of 30" Diagonal

Spares - Contractor to provide a list of recommended spares with unit prices as an alternate, minimum spares shall include:

- 4 each Type A Cameras
- 1 each Type B Camera
- 2 each Type C Cameras

Wiring must be RG-6 95% Copper Braid Plenum Rated Wire.

All normally dry interior locations where the wiring would be exposed, contractor shall install wire in, a minimum of, 3/4" electric metallic tubing (EMT) FS WW-C-563 and ANSI C80.3. In areas exposed to weather, moisture, or physical damage, install in intermediate metal conduit (IMC) FS WW-C-561. Comply with NEC requirements as applicable to construction and installation of raceway systems. Contractor is responsible to patch/repair, to code, all walls, floors and ceilings where penetrations are required in order to complete this installation.

Acceptable Manufacturers are Bosch, Panasonic, Pelco, Toshiba, unless specifically otherwise referenced.

The Contractors bid must include an itemized list, by camera location, of each lense to be installed.

The Contractor is required to provide a Warranty with a minimum of 2 years on parts and labor. Warranty period shall start from the date of final acceptance.

The 2 year Warranty shall include that all repairs and replacements will be completed within 48 hours of notification. Any spare components included in the contract at the owners expense shall be itemized and delivered to the owner prior to final acceptance. All spares required to meet the conditions of the warranty that are not included in the contract are to be stocked by the contractor at the contractors expense.

All Building Codes, National Electric Code, and DFCM requirements must be met. The installation, including mounting and wiring must meet the manufacturers specifications and requirements.

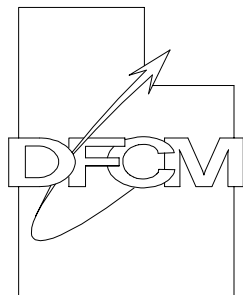
It is required that all bidders be licensed by the State of Utah as a Burglar Alarm Company. The installer performing installation shall have passed the Utah Burglar Alarm Qualifier Examination. (The term "installer refers to burglar alarm technicians licensed as Alarm Agents who work for a licensed Burglar Alarm Company and whose duties include installation, maintenance, alteration, repair, replacement, and servicing of alarm systems.)

All mounting equipment and lenses to be determined by contractor per manufacturer specifications and must meet requirements for specific views as identified at walk through by owner.

It shall be the direct responsibility of the Contractor to clean up all equipment, conduit, fittings, packing cartons and other debris that is a direct result of the installation of this system. Contractor is responsible for the cost of any damage to the building or it's contents as a result of the work or the action of the contractor's employees.

State of Utah

Department of Administrative Services



Division of Facilities
Construction & Management
4110 State Office Building
Salt Lake City, Utah 84114
Phone: (801) 538 - 3018
Fax: (801) 538 - 3267

Internet: <http://dfcm.utah.gov>

CREATED BY: DFCM



BUILDING NAME:

RM# 07471
Bridgerland Applied
Technology College
1301 North 600 West
Logan, Utah

PROJECT TITLE:

CCTV
System Installation

MARK DATE DESCRIPTION

ISSUE TYPE: BID SET

ISSUE DATE: JUNE 20, 2005

DFCM PROJECT NO: 05045210

CAD PROJECT NO: 05-112

CAD DWG FILE: 05045210.dwg

DRAWN BY: sac

CHK'D BY: SAC

COPYRIGHT: STATE OF UTAH

SHEET TITLE

LOCATION PLAN &
GENERAL INFO

SHEET NUMBER

G-001

SHEET 1 OF 1